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Russians Leaping Ahead

U.S. OFFICIAL WARNS GAP

Of 'Bolster' Talks November 13

By JOSEPH R. L. STERNE [Washington Bureau of The Sun]

ministration today prepared to reassure the nation of its science commented. While the Russians listic missiles.

what the Soviets can do.

"They can direct their efforts ics, communications, atomic wherever they want to," he energy and intercontinental baltime released an intelligence. vast strides in many phases of technology.

The reassurances will come when President Eisenhower makes a speech in Oklahoma City on November 13. His sub-time pursuits, the intelligence iect: "Science and Security." official said. ject: "Science and Security."

gence Agency, was more jolting than bolstering.

Dr. Scoville stated that Russia has 1,500,000 trained scientists, as compared with 1,300,000 in the United States. Moreover, he said, Russian colleges are turning out scientists in greater volume than are American in-stitutions of higher learning. "The Russians are ahead in terms of total scientific and tech-

nical professional manpower,"

worse before it gets better."

of which were released today. Russian sets.
was made October 4 before the However, the cost is con-

It snowed that the CIA was and the cussians have cut down aware that the Russians were on the refinements, but these preparing to launch an earth were nonessentials; such as satellite. In fact, just a few cabinet, and not things that hours before the Soviet sputnik count. They have maintained was proclaimed to the world Dr. the high quality of their sets.

Scoville told the committee:

Scoville told the committee:
"It wouldn't surprise us if for it. They are capable of doing and the quality of their work in these things."

tific strength and at the same were not more "capable" than time released an intelligence retthe United States in the earthport showing Russia is making satellite field, he held they requirements and have vast strides in many phases of termined."

In electronics, he said, the Russians are satisfying major port showing Russia is making satellite field, he held they military requirements and have vast strides in many phases of termined." termined."

Soviet scientific strides, while in communications, he removing forward "by leaps and bounds" in the military field, equipment was "so superior" to equipment was "so superior" to a superior was "so super also are considerable in peace-

the situation will get their components are superior technical studies. There is good to those of our sets. Actual pic-shop training and pupils The Scoville report, portions ture performance is better in given tours of industry. While

Presidents Committee of Scien-siterably higher in Russia. In ties and Engineers.

The last year there has been an Forewarned Of Sputnik

The last year there has been an erature are being weakened.

The Soviets, Dr. Scoville weakened. It showed that the CIA was and the Russians have cut down on, operate a ten-year schooling

"Americans Impressed" such an announcement came at any time. We must be prepared for it. They are the such as a surprise us if our visitors were, also impressed by Russian research

The sputnik, according to Dr. On the subject of Soviet miliscoville, is just an example of what the Soviets can do.

Equipment "Superior"

that of the American expedition that there are rumors the Ameri-

This address, the White House said today, is the first of a series Mr. Eisenhower will make in line with his announced intention to bolster the nation's there are 2,000,000 TV sets. This confidence in its economic, described in the solution in this country. The pointed out further that in high policies.

Scientists

vision:

"We might believe that a field of United States dominance, but in Moscow alone equipment to conquer widely separated atomic test saries. Simultaneously. He said the fense, foreign and scientific Russian sets are of high quality; energy physics the Soviets are making such "tremendous progress" that "they might pass us in this field in the near future."

In the field of intercontinental missiles, he said, the

ballistic missiles, he said, the Soviets are "putting forth tre-mendous efforts." While the CIA August as they claimed, "they have capacity to fire such a test vehicle if they want."

Scientific proexperiment proexperi

"Good Shop Training"

Dr. Scoville, in his talk to the President's committee, said the Soviet educational system is an "excellent one for the produc-tion of good, competent engi-meering and scientific perneering scientific .per-

this emphasis on practical training is not harming scientific study, he added, such humanities subjects as history and lit-

The Soviets, Dr. Scoville went system (as contrasted to twelve years in most of the United States.) Since practically all stu dents go this far with their schooling, many are prepared for technical jobs immediately

following graduation.
For these with college in mind, a two-year interim stint in industry is being encouraged.

"Greater Maturity" "This has the additional advantage of giving students in the higher educational institutions a greater maturity and a better feeling for the application of the principles they are learning in the classroom," the official declared.

In addition, the Soviets are pushing scientific knowledge through extension courses, a broadening of the engineering specialties, a streamlining of textbooks, educational exchange programs with Communist-bloc nations and by holding down the number of students per teacher.

Quality Improvement Seen

Dr. Scoville even saw Soviet scientific progress in the new Russian plan to decentralize industry. It will mean, he said, that the quality of education and research will be improved in outlying regions.

He closed his talk with the warning that the "Soviets are capable of great accomplish-ments both in peacetime and wartime."

"In view of the dynamic drive of their entire scientific program, we must expect further

ing this report today, Mr. Eisenhowever himself met with his Cabinet for nearly two hours. The missile race with Russia was believed to be on the agenda.

From a continuing series of conferences at the White House, it is believed that Mr. Eisenhow-200430025 Pientific data on which he will base his Oklahoma

declared. "If these trends Approved For Release 2001/08/20 Hade on the man school level to get students interested in City speech.